

PROCESS SPECIFICATION

ERA AVIATION INC.

GULF COAST DIVISION LAKE CHARLES, LOUISIANA

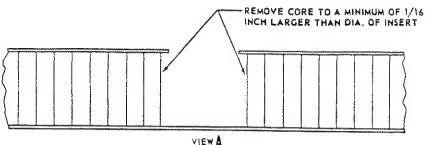
PROCESS SPECIFICATION NO. 4002
INSERT INSTALLATION - HONEYCOMB PANELS

DATE
Prepared By: DAVID K MURPHY 5/9/90
Approved By Engineering: 1. S. Swart, 14, 5/18/90
Quality Control: (Jave Murshy 5/9/90 Dave Murshy
Production: 2/a 18/190
Mark Jones

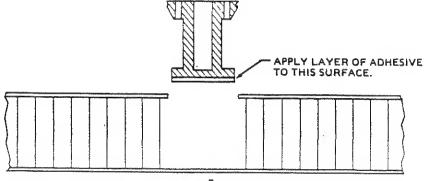
ERA P S	4002)		REV		I DATE	<u>5/7/90</u>	PAGE B		
LOG OF REVISIONS										
REVISION	‡ ‡	BY DATE	‡ ‡	PAGES AFFECTED	‡ ‡	REVISION DESCRIPTION	‡ ‡	APPROVED DATE		
IR 1	++++++++++++++++++++++++++++++++++++++	2/3/87 5/7/90	+++++++++++++++++++++++	ALL	+++++++++++++++++++++++++++	ADD ADDITIONAL INSERT INSTRUCTIONS	++++++++++++++++++++++	2/3/87		
	+++++++++		++++++++++		++++++++++		++++++++++			

					P.	AGE 1 OF 5
ERA I	PS	4002	REV	I	DATE	5/7/90 .
1.	SCOF	PE				Maria de la companya de la Companya de
		specification establishes comb panels.	the requirements a	and procedures for	or the installation of	inserts into
2.	MAT	ERIALS				
	299-9 Type	sive, Epoxy 47-100, II, Class 2 934 A/B		P.O. Box 48	pter Textron 32 Texas 76101	
		or				
	Epibo Class	ond 8510 (Part A & B) 2				
3.	INST	ALLATION PROCED	<u>URES</u>			
	3.1	Drill panel at proper l snugly in hole.	ocation with #30 d	rill. Increase ho	le diameter to allow	insert to fit
	3.2	Remove core to a mir	nimum of 1/16 inch	larger than dian	neter of insert.	
	3.3	Prepare adhesive in a	ccordance with ma	nufacturer's inst	ructions.	
	3.4	Apply layer of adhesi	ve to bottom of ins	sert.		
	3.5	Install insert into pan-	el and inject adhesi	ive as shown in I	Figure 1.	
	3.6	Clean off excess adher areas shall be remove on the surface outside M.E.K. Observe safe	d before curing. To the bond area sha	his excess and a Il be cleaned off	ny adhesive that ma using a clean rag m	y have collected
4.	<u>QUA</u>	LITY STANDARDS				
	4.1	The surface of the ins	sert should be flush	with the surface	e of the panel.	
	4.2	The surface of the ins	sert should be paral	llel to the surface	e of the panel.	

ERA PROCESS SPECIFICATION



VIEW A CROSS SECTION OF HOLE FOR INSERT



VIEW B

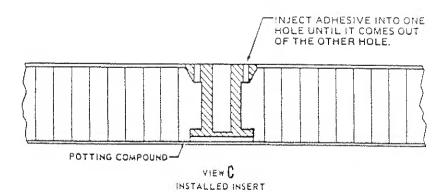


FIGURE 1

					PA	GE 3 OF 5
RA	PS_	4002	REV	I	DATE	5/7/90 .
	INST	ALLATION PROCE	DURES GROMMET	T-TYPE AND B	LIND OVAL HEAD	<u>INSERTS</u>
	Inject and b	ing Grommet-Type a lind oval-head inserts	nd Blind Oval-Head shall be injected in t	<u>Inserts</u> - Two pi he following ma	ece grommet-type spa anner:	ce for inserts
	5.1				blueprint and/or insecter than in the insect.	rt) enlarge hole
	5.2	Deburr hole in face	sheets and dimple if	flush-type inser	rt is to be used. See F	igure 2.
	5.3	Apply adhesive to f	flange of inserts and i	nstall. See Figu	ares 2 and 3.	
è	5.4				vith parting agent may ng cure of the adhesive	
	5.5	or face. Angle the	injection hole down t anner. Injection holes	to the center of i	16 to 1/8 inch outboard insert. Drill another h through either face for	ole on opposite
	5.6		sive into only one of grom the other hole.		tion holes until a stead	ly flow of
	5.7	Remove excess add	nesive. See paragrapl	h 3.6.		

DATE 5/7/90

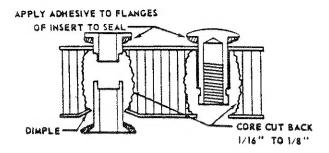


FIG. 2

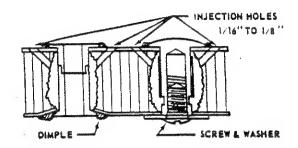


FIG. 3

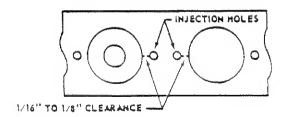


FIG. 4

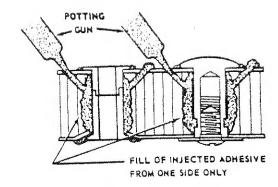


FIG. 5

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ERA P S 4002

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DATE _____5/7/90____.

6. EDGE FILLING

- 6.1 The insert material covered by this specification can also be used as an edge filler.
- 6.2 Lay down the honeycomb core edge to a minimum of .12 maximum .18. See Figure 6.
- 6.3 Fill void with EA934.
- 6.4 Tape edges previously filled with EA934. Allow to cure.
- 6.5 Remove masking tape. Sand excess EA934 to desired finish. See Figure 7.

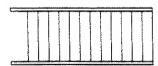


FIG. 6
LAY DOWN HONEY COMB
TO .12 MIN. - .18 MAX

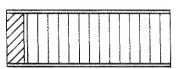


FIG. 7
SAND TO SMOOTH
SQUARE EDGE